KENWOOD

CD PLAYER

D-S300

INSTRUCTION MANUAL

KENWOOD CORPORATION

This instruction manual for this model also covers the systems in the KENWOOD System "SERIES 21" lineup. Since the features vary depending on the combined systems, the remote control operation illustrations (icons) are shown for two types of remote control units.
Refer to the instruction manual included with the AV CONTROL CENTER for the basic remote control operations.

COMPACT disc DIGITAL AUDIO

B60-3235-00 (MA) (T, M, I) [ID]
98/12 11 10 9 8 7 6 5 4 3 2 1 97/12 11 10 9 8 7 6

Before applying power

⚠ *Caution : Read this section carefully to ensure safe operation.*

Units are designed for operation as follows.

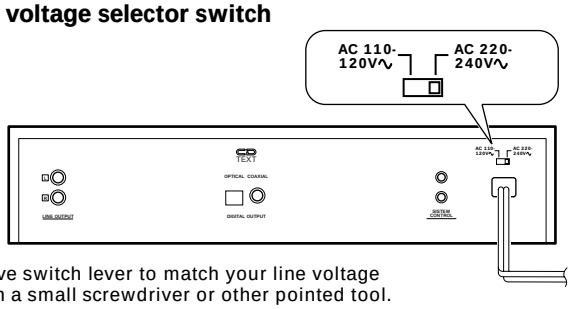
U.S.A. and Canada ..... ***AC 120 V only***
Australia ..... ***AC 240 V only***
Europe and U.K. ..... ***AC 230 V only***
China ..... ***AC 220 V only***
****Other countries*** ..... ***AC 110-120 / 220-240 V switchable***

**AC voltage selection*

The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

Note:
Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

AC voltage selector switch



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

For the United Kingdom

Factory fitted moulded mains plug

1. The mains plug contains a fuse. For replacement, use only a 13-Amp ASTA-approved (BS1362) fuse.
2. The fuse cover must be refitted when replacing the fuse in the moulded plug.
3. Do not cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adapter, or consult your dealer.
   If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT
The wires in the mains lead are coloured in accordance with the following code:
Blue : Neutral
Brown : Live
Do not connect those leads to the earth terminal of a three-pin plug.

Safety precautions

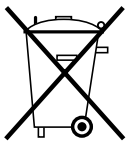
⚠ *Caution : Read this section carefully to ensure safe operation.*

WARNING : TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
	THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.
	THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

REQUIREMENT BY NEDERLAND GAZETTE

Batteries are supplied with this product. When they empty, you should not throw away. Instead, hand them in as small chemical waste.



The marking of products using lasers (Except for some areas)

CLASS 1 LASER PRODUCT

The marking is located on the rear panel and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.
Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.
We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

Keep this manual handy for future reference.

Special features

CD-TEXT support

- The text information (disc title, track titles, names of the artists, songwriters, composers, etc.) recorded on the CDs can be easily called and displayed in alphanumerics. (Some Japanese words and text may not be displayed.) →14 →15

Advanced technologies incorporated in pursuit of improved sound quality and stability

- D.R.I.V.E. (Dynamic Resolution Intensive Vector Enhancement) IC is built in for drastic reduction of distortion at small signal level.

Convenient features for dubbing CD onto tape

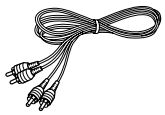
- Edit function for rearranging tracks according to the tape length so that no music is interrupted in the middle. →20
- Auto space function. →17

Easy operation functions

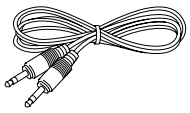
- Easy operation functions allow systematic operation with other KENWOOD components connected through the system control connection. →5

Accessories

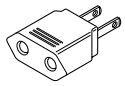
Audio cord ..... (1)



System control cord ..... (1)



AC plug adaptor ..... (1)



Use to adapt the plug on the power cord to the shape of the wall outlet.
(Accessory only for regions where use is necessary.)

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System connections

Caution:

Do not plug in the power lead until all connections are completed.

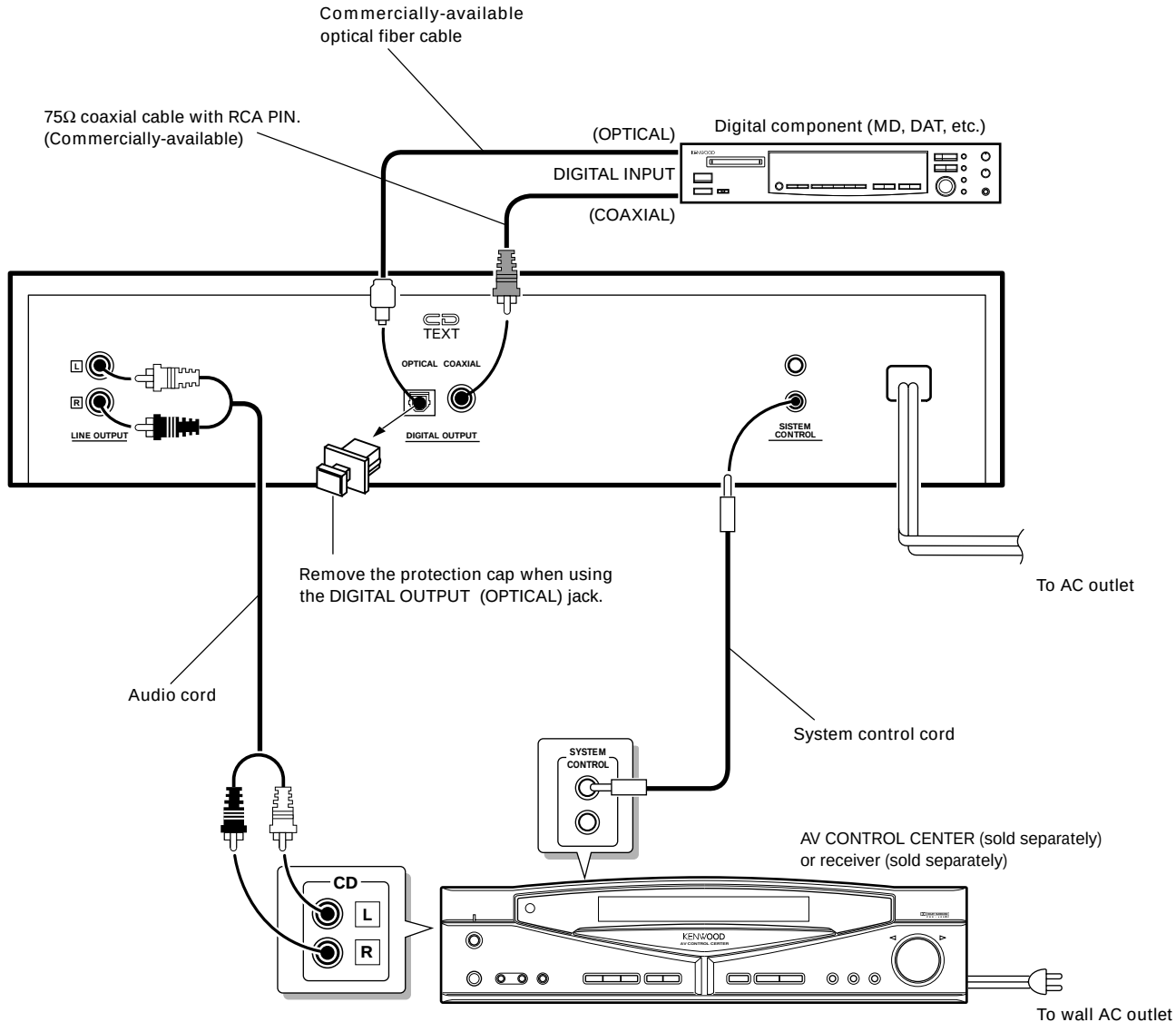
Malfunction of microcomputer

If operation is not possible or erroneous display appears even though all connections have been made properly, reset the microcomputer referring to "In case of difficulty". ∞

Make connections as shown below.
When connecting the related system components, refer also to the instruction manuals of the related components.

Caution regarding placement

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) equal to, or greater than, shown below.
Left and right panels: 10 cm Rear panel: 10 cm



The above illustration is simply an example.
The actual connected equipment may vary depending on the sales region.

Notes

1. Connect all cords firmly. If connections are loose there could be loss of sound or noise produced.
2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet. Plugging/unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.

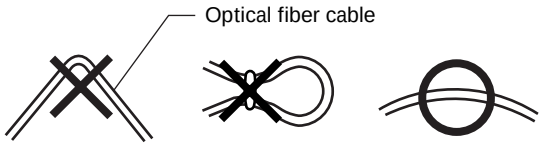
Connection to a general-use amplifier

Use the provided audio cords to connect the OUTPUT jacks of this unit to the CD input jacks (or AUX jacks) of the amplifier.

Connection to digital amplifier or MD

Connect the DIGITAL OUTPUT (OPTICAL or COAXIAL) jack to the digital input jack of the amplifier, DAT recorder, MD recorder, etc., using an optical fiber cable or coaxial cable which are commercially available in audio stores.

÷When using an optical fiber cable to connect this unit to a digital amplifier, insert the plug straight into the jack until a snap sound is heard.
÷Be careful not to bend, coil, or bundle the optical fiber cable.
÷Optical fiber cables available on the market may not always be able to be used with this player. If your cord cannot be used with this unit, consult the store from which you purchased the cord or your nearest dealer.



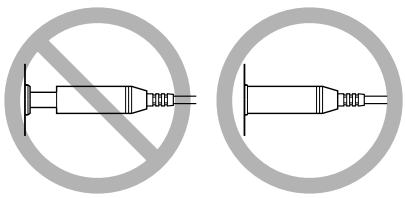
SYSTEM CONTROL CONNECTIONS

After hooking this unit up with the KENWOOD System "SERIES 21," connect the system control cords for convenient system control operations between the connected devices.

When hooking this unit up with the System "SERIES 21," read the instruction manuals supplied with the AV CONTROL CENTER (sold separately) or the receiver (sold separately).

Notes

1. Do not connect system control cords to any components other than those specified by KENWOOD. It may cause a malfunction and damage your equipment.
2. Be sure the system control plugs are inserted all the way in to the system control terminals.

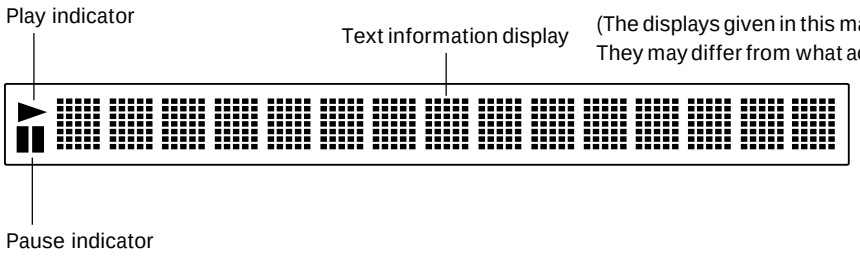


SYSTEM CONTROL OPERATIONS

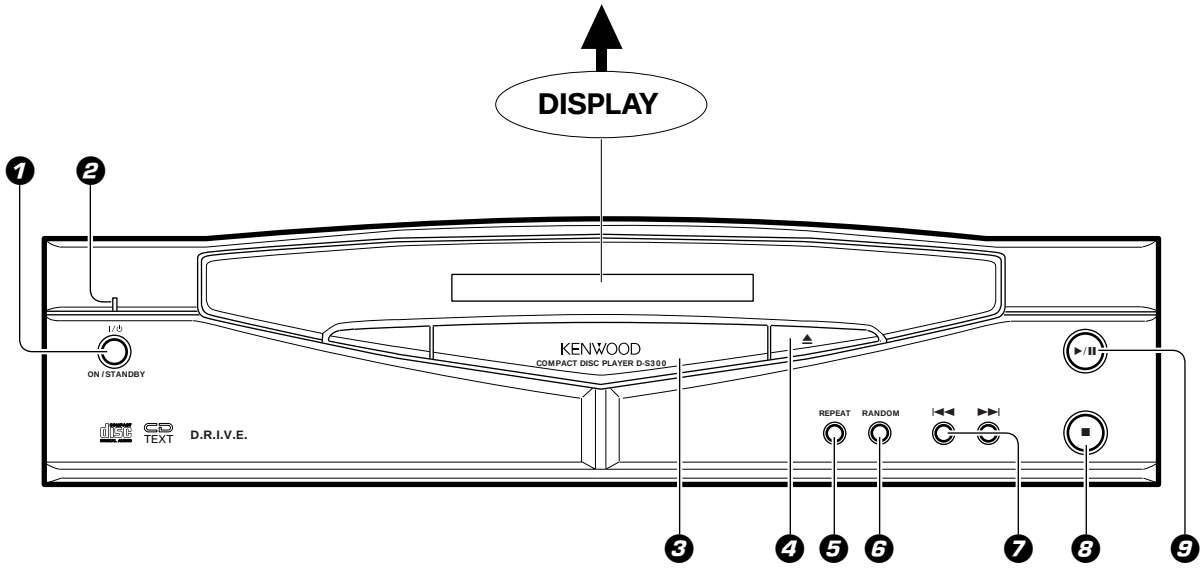
Remote Control
Lets you operate this unit with the system remote control unit supplied with the AV CONTROL CENTER or receiver.

Automatic Operation
Automatically switches the input selector on the AV CONTROL CENTER or receiver when you start playback from this unit.

Synchronized Recording
Lets you synchronize recording with the start of playback when recording from CD. Also, the simple CCRS operation and O.T.E. recording lets you make great recordings from CD.
See the operating instructions supplied with your cassette deck for details.



(The displays given in this manual are approximations only. They may differ from what actually appears on the display.)



The keys with the same name as those on the remote control unit operate the same way as the remote control unit.

❶ ON/STANDBY (I / ⏻) key → 12
Turns the unit ON/STANDBY.

❷ STANDBY indicator → 6

❸ Disc tray → 12
Load the disc to be played back.

❹ Open/Close key (▲) → 12
Opens and closes the disc tray.
(When this unit is connected to the system in standby mode, pressing this key will automatically turn the unit ON and open the disc tray.)

❺ REPEAT key → 18
Press to play the tracks repeatedly.

❻ RANDOM key → 22
Press to play the tracks in a random order.

❼ Skip keys (|◄◄,►►|) → 13
Press to skip to the beginning of another track.

❽ Stop key (■) → 12

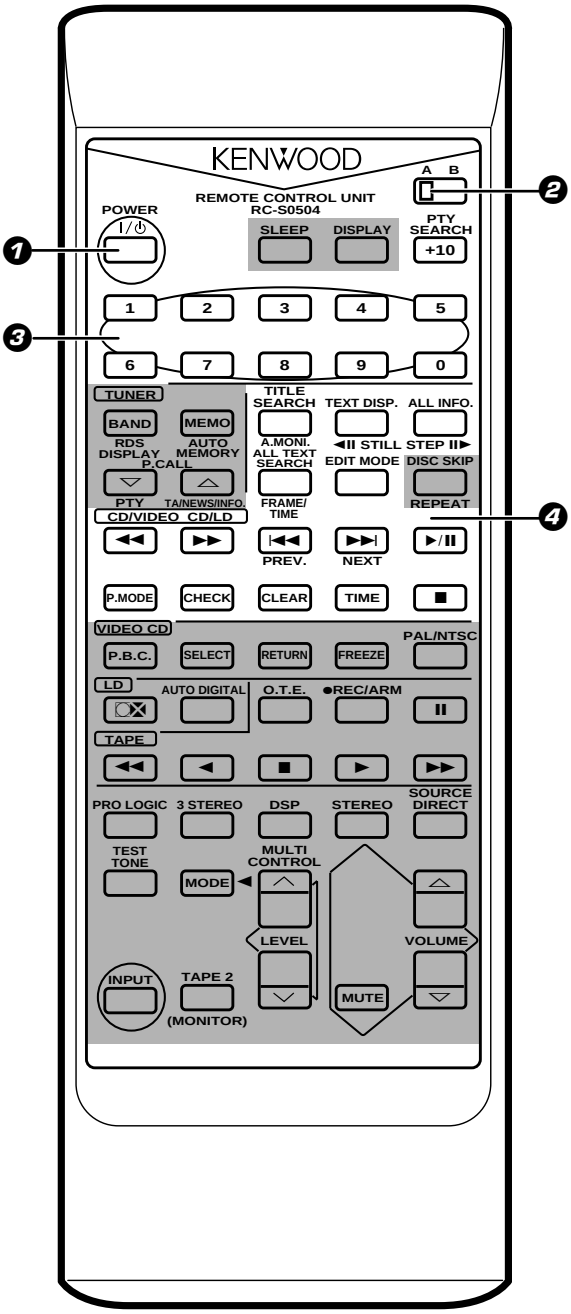
❾ Play/Pause key (►/II) → 12
Each time the key is pressed, playback and pause switch each other.
(When this unit is connected to the system in standby mode, pressing this key will automatically turn the unit ON and start playback.)

About the STANDBY mode

While the STANDBY indicator is lit, a small amount of power is supplied to the system to back up the memory. This is called the standby mode. Under that condition, the system can be turned ON by the remote control unit.

Remote Control Unit (RC)

A remote control unit is not included with this unit.
However, a remote control is supplied with the KENWOOD SERIES 21 "AV CONTROL CENTER" (sold separately).
To enable remote control operation, simply connect this unit, cassette deck (sold separately), and other accessories to the AV CONTROL CENTER with the system control cords.



This illustration is only an example.

The keys with the same name as those on the main unit operate the same way as the main unit.
The keys marked * are provided only on the remote control unit.

❶ I/⏻ (ON/STANDBY) key → 12

***❷ A↔B switch**
Some keys serve two functions.
Please follow the operating instructions and switch the function according to the application.
(This unit should normally be set to the **A** side.)

***❸ Numeric keys (1 – 0 , +10)** → 13

❹ Other function keys

Text-related and other keys

- *** TITLE SEARCH key** → 14
- *** TEXT DISP. key** → 15
- *** ALL INFO. key** → 15
- *** ALL TEXT SEARCH key**
  (This key cannot be used with this unit.)
- *** EDIT MODE key** → 20
- **DISC SKIP key**
  (This key cannot be used with this unit.)
- **REPEAT key**
  (This key cannot be used with this unit.)

Basic function keys

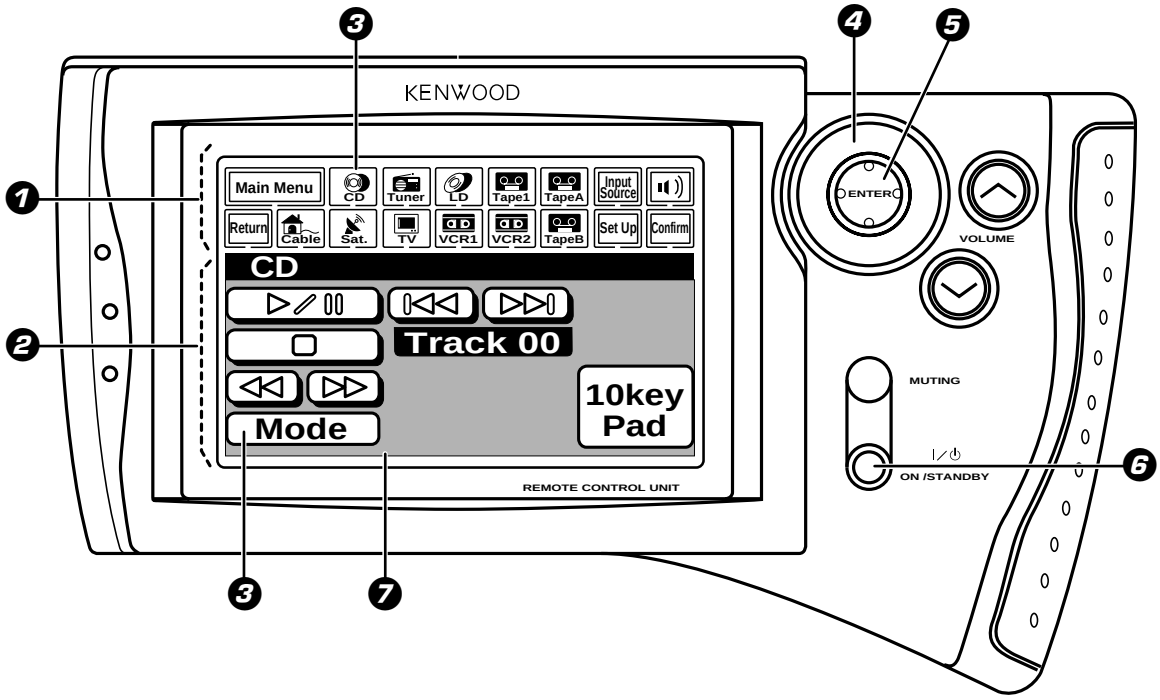
- *** Search keys (◄◄,►►)** → 13
- **Skip keys (I◄◄,►►I)** → 13
- **Play/Pause key (►/II)** → 12
- **Stop key (■)** → 12

Program-related and other keys

- *** P.MODE key** → 16
- *** CHECK key** → 17 → 21
- *** CLEAR key** → 17 → 21
- *** TIME key** → 15

Graphical Remote Control Unit (GRC)

A remote control unit is not included with this unit.
However, a remote control is supplied with the KENWOOD SERIES 21 "AV CONTROL CENTER" (sold separately).
To enable remote control operation, simply connect this unit, cassette deck (sold separately), and other accessories to the AV CONTROL CENTER with the system control cords.



❶ Segment screen
This screen is used for selecting the icons for the main equipment.

❷ Menu screen
This screen is used for selecting the icons for the operating modes.

❸ Icons
Icons for the equipment used and operating mode are displayed.

❹ Joystick
The joystick is used when selecting the icons.
(Lightly press the edge of ❺.)

❺ ENTER key
Press this button to input the selected icon (operation mode, and so on).

❻ I/⏻ (ON/STANDBY) key
This key turns ON/STANDBY this unit or the equipment connected with the system control cords.

❼ CD player operation panel

Play/Pause icon (►/II) → 12
Stop icon (■) → 12
Search icons (◄◄, ►►) → 13
These icons send the track forward or backward.
Mode icon → 18
This icon is used to select the playback mode.
Skip icons (I◄◄, ►►I) → 13
When selected, the next track in the icon direction is played.
10key Pad icon → 13
This icon switches to the Numeric Icon menu screen.

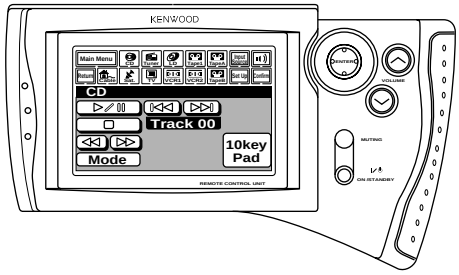
Preparation

● Turn the system devices ON.

You may skip Step 1 if the settings for the AV CONTROL CENTER have already been made.

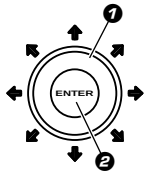
Once the settings have been made in Steps 1 to 3, you do not need to repeat these steps until you replace the batteries.

The GRC operation beginning on page 12 are written assuming that the basic operations below have been completed.



Basic Operations for the Graphical Remote Control Unit (GRC)

1 At the initial screen, select the Model Type to be used.



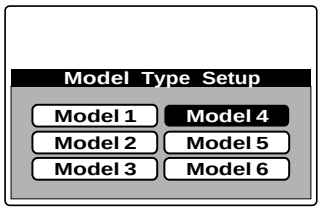
❶ **Use the joystick to select the model type.**
Example:

Model 4

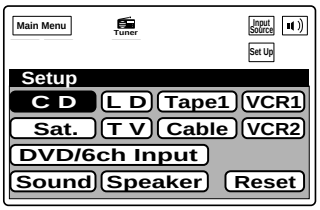
❷ **Press the ENTER key to set the entry.**

The arrow (↑) shows the direction that the cursor moves when selecting icons.

Select

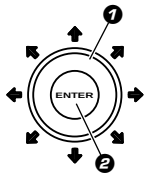


Screen after selection



● The selected icon is highlighted.

2 Select CD at the Setup menu screen.

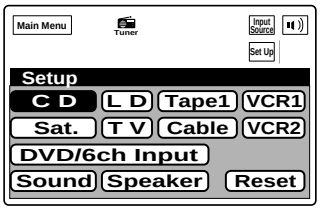


❶ **Use the joystick to select the CD icon.**

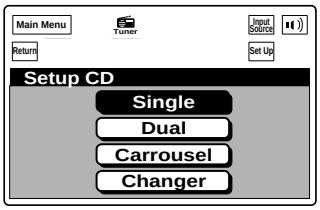
CD

❷ **Press the ENTER key to set the entry.**

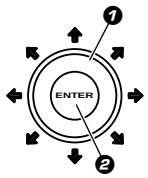
Select



Screen after selection



3 Select Single at the Setup CD menu screen.

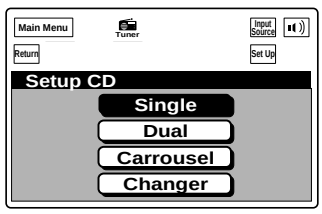


❶ **Use the joystick to select the Single icon.**

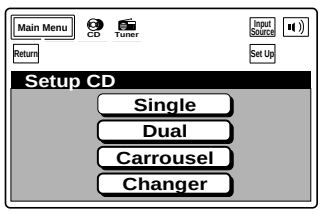
Single

❷ **Press the ENTER key to set the entry.**
The selected text moves to the bottom right of the screen.

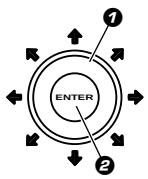
Select



Screen after selection



4 Select CD at the Segment screen.

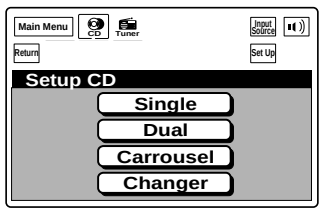


❶ **Use the joystick to select the CD icon.**

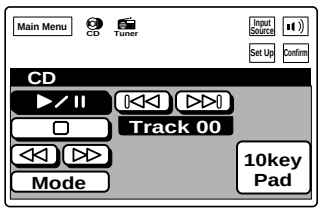
CD

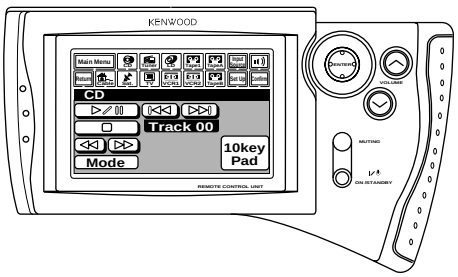
❷ **Press the ENTER key to set the entry.**

Select



Screen after selection





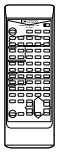
Graphical Remote Control Unit (GRC)

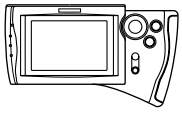
This instruction manual for this model also covers the systems in the KENWOOD System "SERIES 21" lineup. Since the features vary depending on the combined systems, the remote control operation illustrations (icons) are shown for two types of remote control units.

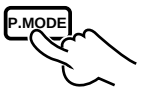
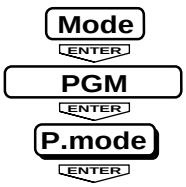
To avoid a confusing and difficult-to-follow explanation of the graphical remote control unit, a simplified explanation is provided using the operating instructions for a general remote control unit. Please reread the operating instructions while referring to the main differences below.

Operations with the general remote control unit are indicated by RC operation.

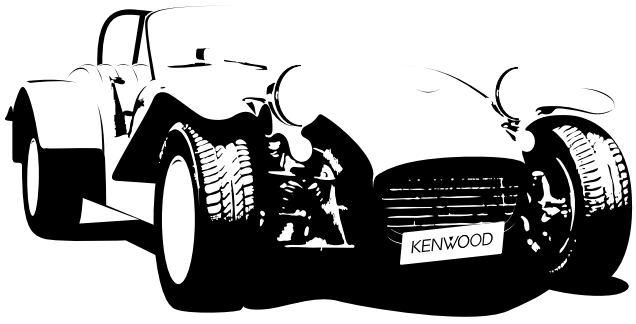
Operations with the graphical remote control unit are indicated by GRC operation .





RC operation	GRC operation	Text replacement or actual operation
Key	Icon	
Press	Select	Select and press the **ENTER** key.
Press the ** key	Select the ** icon	Select the ** icon and press the **ENTER** key.
		Use ← ENTER → to select ▷/▯▯ *1 and press the ENTER key.
		Use ← ENTER → to select Mode *2 and press the ENTER key.
		Use ← ENTER → to select PGM and press the ENTER key.
	*3	Use ← ENTER → to select P.mode and press the ENTER key.

*1: Icons with shading are input when the **ENTER** key is pressed.
*2: Icons without shading send you to another menu screen (level) for the next operation. At the new menu screen, you can select the desired icon.
*3: To return to the previous menu screen (level), select the **Return** icon, and press the **ENTER** key.

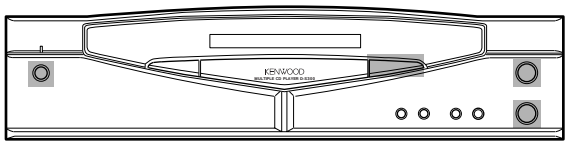

KENWOOD

Normal play (TRACK mode)

Use the following procedure to play a CD in the original order of tracks from track No. 1.

Preparation

GRC operation : **Complete the procedure in "Basic Operations for the Graphical Remote Control Unit (GRC)"**
→ 9 → 10



: Keys and control used in the operations described on this page.

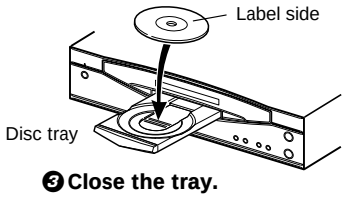
Playing tracks in order from track No. 1

1 Turn the unit ON.

2 Load a disc.

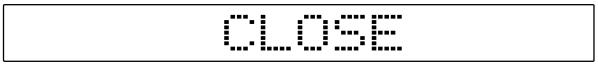
❶ Open the tray.

❷ Place a disc.



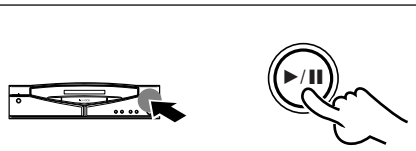
❸ Close the tray.

÷Do not touch the played side of disc.
÷Loading two discs together will cause malfunctioning.
÷Place the disc properly along the groove on the tray. (If the disc is not placed horizontally, malfunction will result.)
÷A single CD (8 cm disc) can also be played.
÷Ordinary CD single (8 cm) disc adapters sold in audio stores cannot be used with this unit.

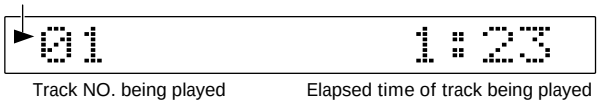


÷In the case of a CD-TEXT disc, the disc's title is scrolled on the display.

3 Start playback.



Lights up.



Track NO. being played — Elapsed time of track being played

÷In the case of a CD-TEXT disc, the track's title is scrolled on the display. What is then displayed is in accordance with the **TEXT DISPLAY** mode.
→ 15

To pause playback

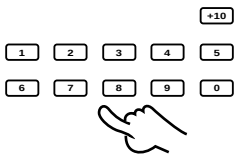
÷Each press pauses and plays the CD alternately.

To stop playback

Playback from desired track Remote control unit only

Select the desired track No.

RC operation



GRC operation

RC operation

Press the numeric keys as shown below....

To enter track No. 23 : [+10] [+10] [3]

To enter track No. 40 : [+10] [+10] [+10] [+10] [0]

GRC operation

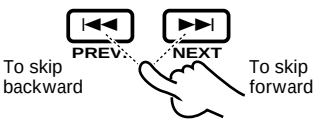
Press the ENTER key after selecting each numeric icon.

To enter track No. 23 : [+10] **ENTER**, [+10] **ENTER**, [3] **ENTER**

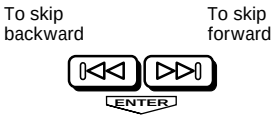
÷When using the GRC, you can return to the previous menu screen (level) at any time by selecting the **Return** icon and pressing the **ENTER** key.

Skipping tracks

RC operation



GRC operation

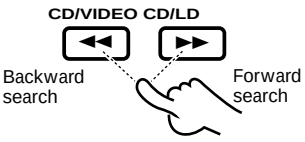


÷The track in the direction of the pressed key is skipped, and the selected track will be played from the beginning.

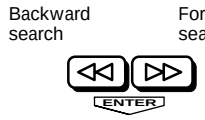
÷When the I◄◄ key is pressed once during playback, the track being played will be played from the beginning.

Searching Remote control unit only

RC operation



GRC operation



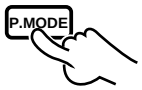
Keep the ENTER key pressed.

÷Playback starts from the position where the key is released.

What is the "normal play TRACK mode"?

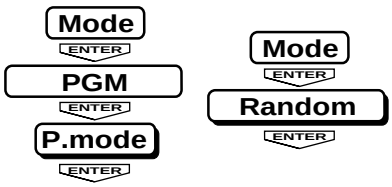
The normal play TRACK mode refers to the state in which the PGM, EDIT and RANDOM mode displays are off.

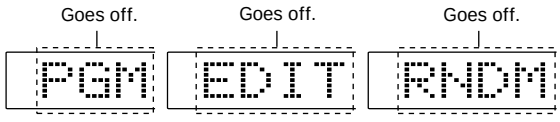
RC operation



Main unit operation

GRC operation





To set the unit to the TRACK mode:

Press the **P.MODE** key when the "**PGM**" or "**EDIT**" display is lighted.

Press the **RANDOM** key when the "**RNDM**" display is lighted.

Searching for tracks by title (TITLE SEARCH)

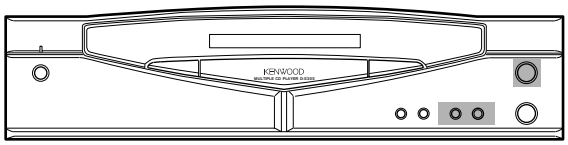
In the case of a CD-TEXT disc, the tracks to be heard can be searched by title.

Preparation

÷Load a disc (CD-TEXT support) in the CD player.

÷Check that the unit is in the normal play TRACK mode. →13

GRC operation : Complete the procedure in "Basic Operations for the Graphical Remote Control Unit (GRC)" →9 →10

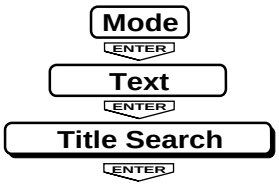


: Keys and control used in the operations described on this page.

1 Press the TITLE SEARCH key.

RC operation

GRC operation



To stop the search, press the TITLE SEARCH key again.

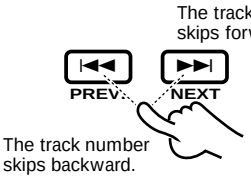
Blinks.

Track title

÷In the case of a non-CD-TEXT disc, the "**NO CD TEXT**" display will appear for approx. 3 seconds.

2 Select the name of the track (title) to be heard.

RC operation



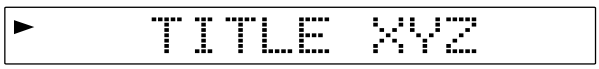
GRC operation

If no keys are operated for more than a second, the track title is scrolled on the display.

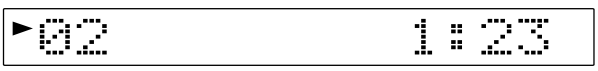
3 Start playback.

RC operation

GRC operation



← The letters move toward the left.



Track NO. being played Elapsed time of track being played

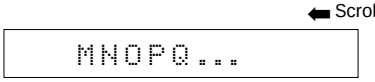
÷What is displayed will differ depending on the item which has been selected by TEXT DISPLAY. →15

Display scrolling

Some track titles contain so much text information that the full titles will not fit on the display. In cases like this, the letters on the display move from right to left so that the non-visible part of the title is revealed. This type of display movement is known as "scrolling display."

Display example

← Scroll display



Time display on CD player (TIME DISPLAY)

Remote control unit only

Each press of the TIME key changes the displayed contents.

RC operation

GRC operation

Mode (ENTER) → Time (ENTER)

- ① 1:23 : Elapsed time of track being played
- ② −2:37 : Remaining time of track being played
- ③ 23:45T : Elapsed time of entire disc (**T** lights up.)
- ④ −36:25T : Remaining time on entire disc (**T** lights up.)

÷Only the display ① and ② will be displayed in RANDOM and EDIT modes.

Selecting the text information display (TEXT DISPLAY)

Remote control unit only

In the case of a CD-TEXT disc, the displays shown below can be selected.

RC operation

GRC operation

Mode (ENTER) → Text (ENTER) → Text Display (ENTER)

►Disc Title : AB

Scroll display

► : ABCDEF...

÷When there is no text information to be displayed "−−−−−" is scrolled on the display.
÷In the case of a non-CD-TEXT disc, the "**NO CD TEXT**" display will appear for approx. 3 seconds.

In the stop mode

When the key is pressed once, the ① "Disc Title" is scrolled on the display; when it is pressed repeatedly, the display is changed. (In the PGM mode, the displays are the same as for play mode.)

- ① **Disc Title** : Disc title
- ② **Disc Artist** : Singer (or performer)
- ③ **TIME** : Track No., time display

÷If the key is released while ② "**Disc Artist**" is displayed, ① "**Disc Title**" returns to the display.

In the play mode

When the key is pressed once, the ① "Track Title" is scrolled on the display; when it is pressed repeatedly, the display is changed. (This operation can be performed even when operation has stopped in the PGM mode.)

- ① **Track Title** : Track title
- ② **Track Artist** : Singer (or performer)
- ③ **Disc Title** : Disc title
- ④ **Disc Artist** : Singer (or performer)
- ⑤ **TIME** : Track No., time display

÷If the key is released at any point while ② "**Track Artist**" to ④ "**Disc Artist**" is displayed, ① "**Track Title**" returns to the display.

Displaying all the text information (ALL INFO.)

Remote control unit only

In the case of a CD-TEXT disc, the text information shown below is displayed automatically during normal play (TRACK mode).

RC operation

GRC operation

Mode (ENTER) → Text (ENTER) → All Info. (ENTER)

Scroll display

►Arranger : ABCD

To skip to the next track while the items are being displayed:

Press the ►►I key.

÷The display can be returned to a previous item by pressing the I◄◄ key.
÷ALL INFO. is released when any other key is pressed while items are being displayed.

Each item is displayed in turn each time the key is pressed. When the key is repeatedly pressed while an item is being displayed, the display is forcibly moved to the next item.

- ① **Disc / Track Title** : Disc and track titles
- ② **Disc / Track Artist** : Singer (or performer)
- ③ **Disc / Track Songwriter** : Songwriter
- ④ **Disc / Track Composer** : Composer
- ⑤ **Disc / Track Arranger** : Arranger
- ⑥ **Disc / Track Message** : Message from sponsor or artist
- ⑦ **ID INFO.** : Record company, release date, etc.
- ⑧ **Genre INFO.** : Genre information
- ⑨ **ALL INFO. END** : (Release)

÷Items from ① to ⑥ are displayed in the sequence of disc and track.
÷When there is no text information to be displayed "−−−−−" is scrolled on the display.
÷In the case of a non-CD-TEXT disc, the "**NO CD TEXT**" display will appear for approx. 3 seconds.

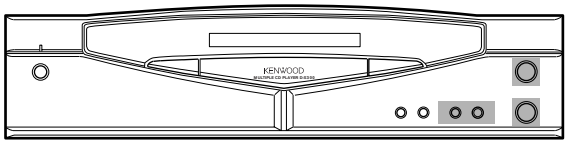
Programmed play (PGM mode)

Use the following procedure to program desired tracks in a desired order. (up to 32 tracks)

Preparation

÷ Load a disc in the CD player.
÷ Set the INPUT SELECTOR to "CD" on the connected device such as AV CONTROL CENTER or receiver.

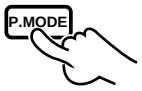
GRC operation : Complete the procedure in "Basic Operations for the Graphical Remote Control Unit (GRC)"
→ 9 → 10



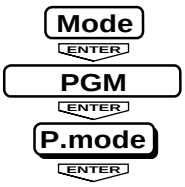
: Keys and control used in the operations described on this page.

1 Press so that the "PGM" indicator lights.

RC operation

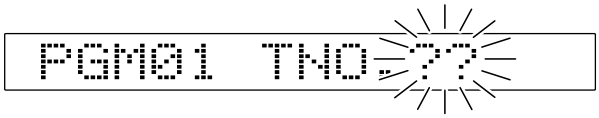


GRC operation



Do this operation in the stop mode.

Blinks.

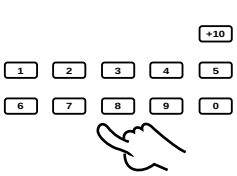


2 Program desired tracks.

RC operation

GRC operation

❶ Select the desired track No.

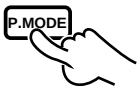


RC operation

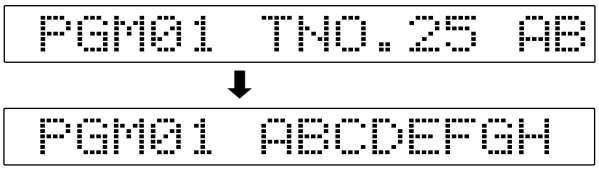
Press the numeric keys as shown below....
To enter track No. 25: [+10] [+10] [5]

Go to step ❷ within 8 seconds.

❷ Set the entry.



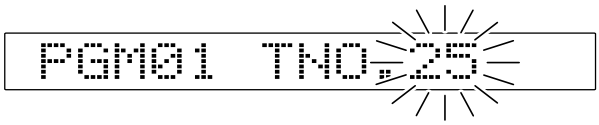
❸ Repeat steps ❶ and ❷ above.



In the case of a CD-TEXT disc, the track's title is scrolled on the display.

GRC operation

Press the **ENTER** key after selecting each numeric icon. → 13



÷ Tracks can also be selected by pressing the I◄◄ or ►►I key.
÷ Up to 32 tracks can be programmed. When "**FULL**" is displayed, no more tracks can be programmed.
÷ If you make a mistake, press the **CLEAR** key and enter the track No. from the beginning.
÷ When the total playing time of the programmed tracks exceeds 100 minutes, the remaining time on the disc will not be displayed any more.

3 Start playback.

RC operation

GRC operation

÷ When the I◄◄ or ►►I key is pressed during playback, the track will be skipped in the direction of the pressed button.
÷ When the I◄◄ key is pressed once during playback, the play position returns to the beginning of the current track being played.

To stop playback

÷ The programmed contents remain in memory.

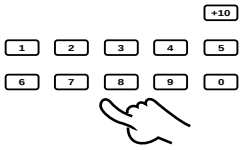
To check or change the programmed tracks Remote control unit only

RC operation **GRC operation**

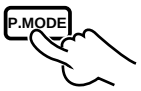
❶ Press the CHECK key.

Press until the track No. to be changed is displayed.

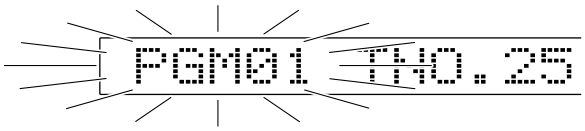
❷ Select the new track No.



❸ Set the entry.



Blinks.



÷Perform only step ❶ to simply check the program.
÷In the case of a CD-TEXT disc, the track's title is scrolled on the display.
÷Each time the key is pressed, the program No. and the track No. on CD are displayed.

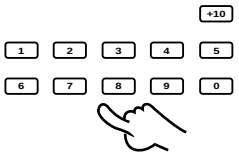
Example ↓

÷Press it while the **"PGM 01"** indicator blinks.
÷The track being played cannot be changed.

To add a track to the program Remote control unit only

RC operation **GRC operation**

❶ Select the desired track No.



❷ Press the P.MODE key.

÷When a track No. is selected, the track will be added to the end of the existing program.

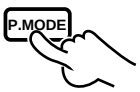
To clear tracks from the program Remote control unit only

RC operation **GRC operation**

Press to clear tracks from the end.

÷Each time the key is pressed, the last track in the program is cleared.
÷The tracks which are programmed earlier than the track being played cannot be cleared.

To clear all track.



÷Selected tracks can be also completely cleared just by operating the ⏏ key.
÷The entire program is cleared.

Auto space function

During programming of tracks, a non-recorded space of a few seconds will be automatically created between tracks. By recording tracks with these spaces on tape, the search and repeat play operations of tape using the DPSS function (which works by searching the non-recorded spaces) can be performed reliably.

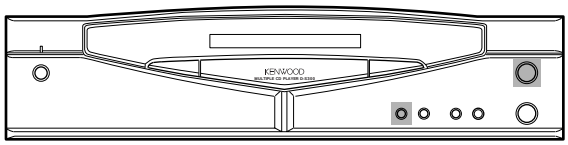
÷Even when the performances of two tracks are continuous (which occurs with classical or live recording music), the spaces will be created if they have different track Nos.

Repeated playback

Preparation

÷Load a disc in the CD player.
÷ Set the INPUT SELECTOR to "CD" on the connected device such as AV CONTROL CENTER or receiver.

GRC operation : **Complete the procedure in "Basic Operations for the Graphical Remote Control Unit (GRC)"**
→ 9 → 10

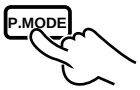


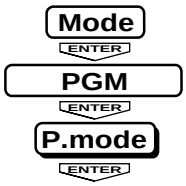
: Keys and control used in the operations described on this page.

To repeat only the programmed tracks

RC operation **GRC operation**

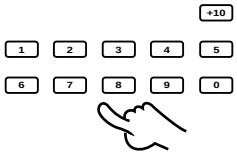
❶ Press so that the "PGM" indicator lights.





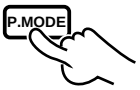
Go to step ❷ within 8 seconds.

❷ Select the desired track No.



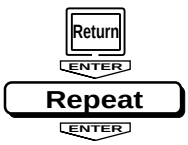
Go to step ❸ within 8 seconds.

❸ Set the entry.



❹ Repeat steps ❷ – ❸ above.

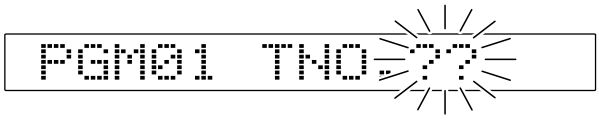
❺ Switch REPEAT ON.



Main unit operation

The current status is displayed when the key is pressed once. When it is pressed while the status is displayed, the repeat ON status can be set to OFF (or vice versa).

❻ Start playback.



÷All of the programmed tracks will be repeated.
÷In case only one track is programmed, only that track will be repeated.
÷Up to 32 tracks can be programmed. When **"FULL"** is displayed, no more tracks can be programmed.

GRC operation

To display the current status, first select the **Return** icon and press the **ENTER** key, and then select the **Repeat** icon and press the **ENTER** key.
Pressing the **ENTER** key again while the status is displayed will set the repeat ON status to OFF (or vice versa).

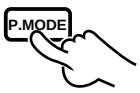
To cancel repeated playback

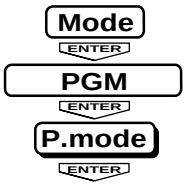
Press the REPEAT key twice. (REPEAT ON → OFF)
→ 19

To repeat the entire disc

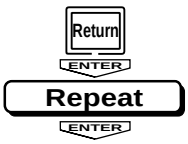
RC operation **GRC operation**

❶ Press so that the "PGM" indicator goes off.





❷ Switch REPEAT ON.



Main unit operation

The current status is displayed when the key is pressed once. When it is pressed while the status is displayed, the repeat ON status can be set to OFF (or vice versa).

GRC operation

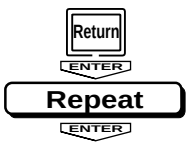
To display the current status, first select the **Repeat** icon and press the **ENTER** key, and then select the **Repeat** icon and press the **ENTER** key.
Pressing the **ENTER** key again while the status is displayed will set the repeat ON status to OFF (or vice versa).

❸ Start playback.

To cancel repeated playback

Press the REPEAT key twice. (REPEAT ON → OFF)

Main unit operation **GRC operation**



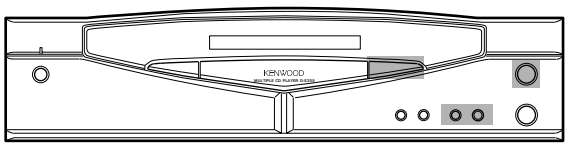
Editing

The following procedure allows to record a CD within the specified tape length so that no music is interrupted in the middle at the ends of sides A and B.

Preparation

÷Load a disc in the CD player.
÷Check that the unit is in the normal play TRACK mode. →13
÷ Set the INPUT SELECTOR to "CD" on the connected device such as AV CONTROL CENTER or receiver.

GRC operation : Complete the procedure in "Basic Operations for the Graphical Remote Control Unit (GRC)" →9 →10



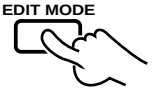
: Keys and control used in the operations described on this page.

1 Light the "EDIT" indicator.

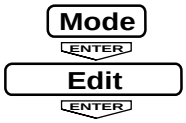
Do this operation in the stop mode.

RC operation

EDIT MODE

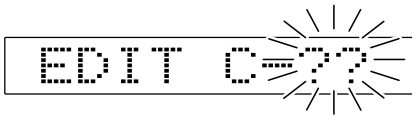


GRC operation



Go to step 2 within 8 seconds.
If more than 8 seconds have elapsed, press the key again.

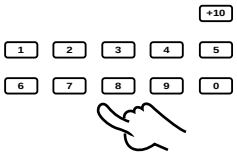
Blinks.



2 Enter the recording time of the tape.

RC operation

When using the numeric keys:

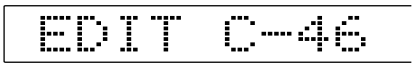


GRC operation

When using the numeric keys:

RC operation **Press the numeric keys as shown below.**
30-minute tape : +10 +10 +10 0
46-minute tape : +10 +10 +10 +10 6

GRC operation **Press the ENTER key after selecting each numeric icon.**
30-minute tape : +10 **ENTER**, +10 **ENTER**, +10 **ENTER**, 0 **ENTER**



÷Recording within 99 minutes can be specified in minutes (2 digits).
÷If you commit a mistake in time entry, press the **P.MODE** key and restart the procedure from the beginning.

When using the TIME key:

❶ **Select the time.**

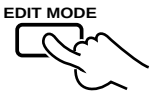
TIME

÷By pressing the **TIME** key the set time-length intervals will change in this order: "**46→54→60→74→90→**?? "

÷The interval length can be adjusted with the skip keys I◄◄ and ►►I in units of one minute (to a maximum of 99 minutes).

❷ **Set the entry.**

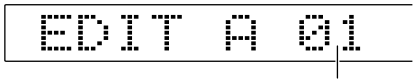
EDIT MODE



The CD contents are edited as follows.

(1) The tape recording time input is divided by two, and tracks that can be accommodated in file **A** (which refers to tracks on tape side **A**) are selected in order of their track Nos.
(2) In a few seconds, the time left on tape side **A** is displayed, then file **B** (tracks on tape side **B**) is edited in the same manner.

Editing in the FILE A



The selected track numbers are displayed in sequence.

Remaining time display.

Notes

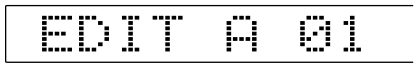
1. While you can edit with a different time setting to that of the tape you are using, part of the tape may be left with nothing recorded on it, or the last track on side A or side B may be cut short.
2. The EDIT function may not operate properly for discs having only one track or having tracks of long duration such as classical music.

To check the edited contents

Remote control unit only

RC operation

GRC operation

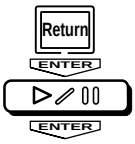


÷When the **CHECK** key is pressed, track numbers and remaining time in the file A are displayed first, then those in the file B.

Playing or recording the edited contents

RC operation

GRC operation



Note

Press the ►/II key to start playback according to the edited content. The playback pauses at the beginning of the track edited for tape side B. Press the ►/II key again to continue playback.

When recording the edited content onto a tape, it is recommended to use the synchro recording or CCRS recording function of KENWOOD cassette decks.

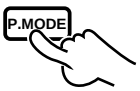
÷For details, see the instruction manual of the cassette deck.

To clear the edited contents

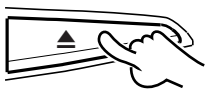
RC operation

GRC operation

Press any one of these keys.



Main unit operation



÷The edited data is cleared entirely.

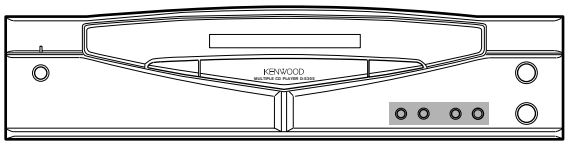
Playback in a random order (Random playback)

As tracks are selected at random, you can enjoy listening to for a long time.

Preparation

÷Load a disc in the CD player.

GRC operation : Complete the procedure in "Basic Operations for the Graphical Remote Control Unit (GRC)" →9 →10



: Keys and control used in the operations described on this page.

1 Check that the unit is in the normal play TRACK mode.

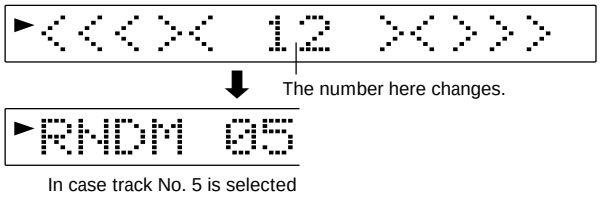
→13

2 Press the RANDOM key.

Main unit operation

GRC operation

During track selection: ">" and "<" move from the outside to the inside.

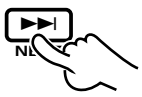


In case track No. 5 is selected

÷Each time a track ends, the same operation as above is repeated, and the track selected next is played.
÷Random play stops after all of the tunes have been played once.
÷The random playback can also be repeated by pressing the **REPEAT** key.

To select another track in the middle of playing one

RC operation



GRC operation

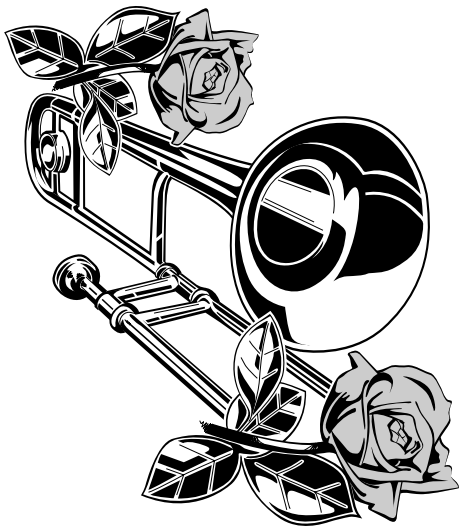
÷Pressing the I◄◄ key once returns to the beginning of the track being played.

To cancel random playback

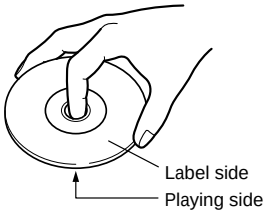
Main unit operation

GRC operation

÷Press the **RANDOM** key to start normal playback.

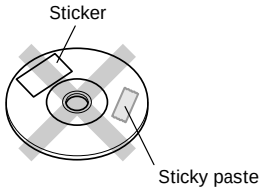


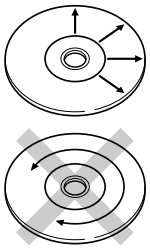
Disc handling precautions



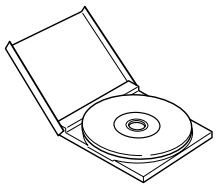
Handling
Hold compact discs so that you do not touch the playing surface.

÷Do not attach paper or tape to either the playing side or the label side of compact discs.
÷The paste left on the label surface after a sticker has been peeled off is a factor which may cause malfunction. If the surface is sticky due to remaining paste, be sure to clean it with alcohole before use.



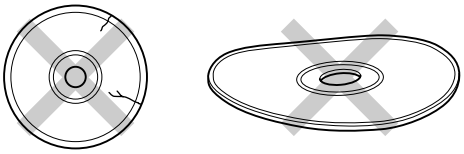


Cleaning
If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.



Storage
When a disc is not to be played for a long period of time, remove it from the CD player and store it in its case.

Caution on disc used



Never play a cracked or warped disc.
During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent.

Do not use cleaning discs.
Please do not use commercially available cleaning discs, they may damage the internal mechanism.

Discs which can be played with this unit

CD (12 cm, 8 cm) (CD-TEXT support), CDV (only the audio part)
÷With CD-G (CD Graphics) discs, this unit can play only the audio.
÷Please do not use discs which are not round because they may cause a malfunction.

Cleaning

Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.

Do not use contact cleaners because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.

CD accessories

The CD accessories (stabilizer, protection sheet, protection ring, etc.) which are marketed for improving the sound quality or protecting discs as well as the disc cleaner should not be used with this system because they may cause malfunction.

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Turn the unit ON but do not load a disc.
2. Verify that the display shown appears.

3. Wait a few seconds and set the unit to STANDBY mode.

Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly.
This is not a malfunction, however, the unit should be dried. (To do this, turn the unit ON and leave the unit as it is for several hours.)

Be especially careful in the following conditions:
÷When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
÷When a heater starts operating.
÷When the unit is brought from an air - conditioned place to a place of high temperature with high humidity.
÷When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the connection cords are unplugged while unit is ON or due to an external factor. In this case, execute the following method to reset the microcomputer and return it to normal condition.

Unplug the power cord from the power socket and plug the power cord into the socket again.

÷Please be aware that resetting the CD player will erase all stored information and return it to the factory settings.

CD player unit

Symptom	Cause	Remedy
The unit is not turned ON with the ON/STANDBY(I / ⏻) key ON.	÷Power plug is loosely connected. ÷With the power plug connected to the switched AC outlet of an amplifier, the power of the amplifier is turned off.	÷Insert the power plug firmly to the AC outlet. ÷Turn the amplifier's power ON.
Disc is loaded, player does not play.	÷Disc is loaded upside down. ÷Disc is loose. ÷Disc is dirty. ÷Disc is cracked. ÷Condensation has occurred on the optical lens unit.	÷Load the disc again with its label side up. ÷Insert the disc properly. ÷Wipe off the dust on the surface of the disc referring to "Disc handling precautions". →24 ÷Replace the disc with a new one. ÷Leave the player for about 1 hour so that the condensation is removed. →24
No sound.	÷Play mode is not entered. ÷Disc is too dirty. ÷Disc is cracked. ÷The connection cords are inserted loosely.	÷Press the ►/II key. ÷Wipe off the dust on the disc surface referring to "Disc handling precautions". →24 ÷Replace the disc with a new one. ÷Connect all connection cords firmly.
Music is interrupted. (Sound is skipped.)	÷Disc is too dirty. ÷Disc is cracked. ÷Oscillation is applied to this unit.	÷Wipe off the dust on the disc surface referring to "Disc handling precautions". →24 ÷Replace the disc with a new one. ÷Try selecting a place where no strong vibrations occur by changing the installation place, etc.

For the U.S.A.

CAUTION:

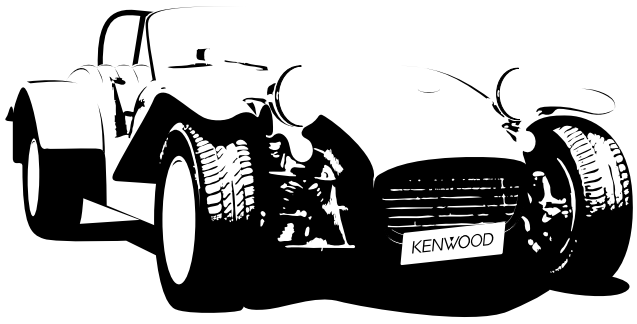
Use of controls or adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD CORPORATION
2967-3, ISHIKAWA-CHO, HACHIOJI-SHI,
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT
CONFORMS TO DHHS REGULATIONS NO. 21
CFR 1040.10, CHAPTER I, SUBCHAPTER J.

Location: Back Panel



Specifications

[Format]

System ..... **Compact disc digital audio system**
Laser ..... **Semiconductor laser**

[D/A Convertors]

D/A Conversion ..... **1 Bit (D.R.I.V.E.)**
Oversampling ..... **8 fs (352.8 kHz)**

[Audio]

Frequency response ..... **4 Hz – 20 kHz, ±0.5 dB**
Signal to noise ratio ..... **More than 100 dB**
Dynamic range ..... **More than 93 dB**
Total harmonic distortion + noise ..... **Less than 0.005% (at 1 kHz)**
Channel separation ..... **More than 93 dB (at 1 kHz)**
Wow & flutter ..... **Unmeasurable Limit**
Output level/impedance
Variable ..... **(Max.) 1.2 V/0.3 kΩ**
Digital output
Coaxial ..... **0.5 V p-p / 75 Ω**
Optical ..... **–15 dBm – –21 dBm**
(Wave length 660 nm)

[General]

Power consumption ..... **12 W**
Dimensions **W: 400 mm (15-3/4")**
H: 106 mm (4-3/16")
D: 376 mm (14-13/16")
Weight (Net) ..... **3.9 kg (8.6 lb)**

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

For the U.S.A.

FCC WARNING:

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver in connected.
– Consult the dealer or an experienced radio/TV technician for help.

KENWOOD

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model_____ Serial Number _____